

Business Requirements

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|------------------------|-------------------------------|-------------------------|----------------|
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| Project Number: | | Account Unit: | |
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1 Document Overview

This document covers business requirements for implementing GSO functionality in SupplierNet. Walgreens plans to open Global Sourcing Office in china which will act as an import vendor for Walgreens USA. This global sourcing office will deal with import vendors within china. There is a need to allow these import vendors to submit invoice against the ASN submitted by freight forwards. This document details the changes required to allow an import vendor to submit invoice against import PO on SupplierNet.

1.1 Business Objectives

1. Providing an online access for Import Vendors to submit invoice against the ASN Submitted by Freight Forwarder.
2. Providing facility for Import Vendors to submit invoice against Import PO on Supplier Net

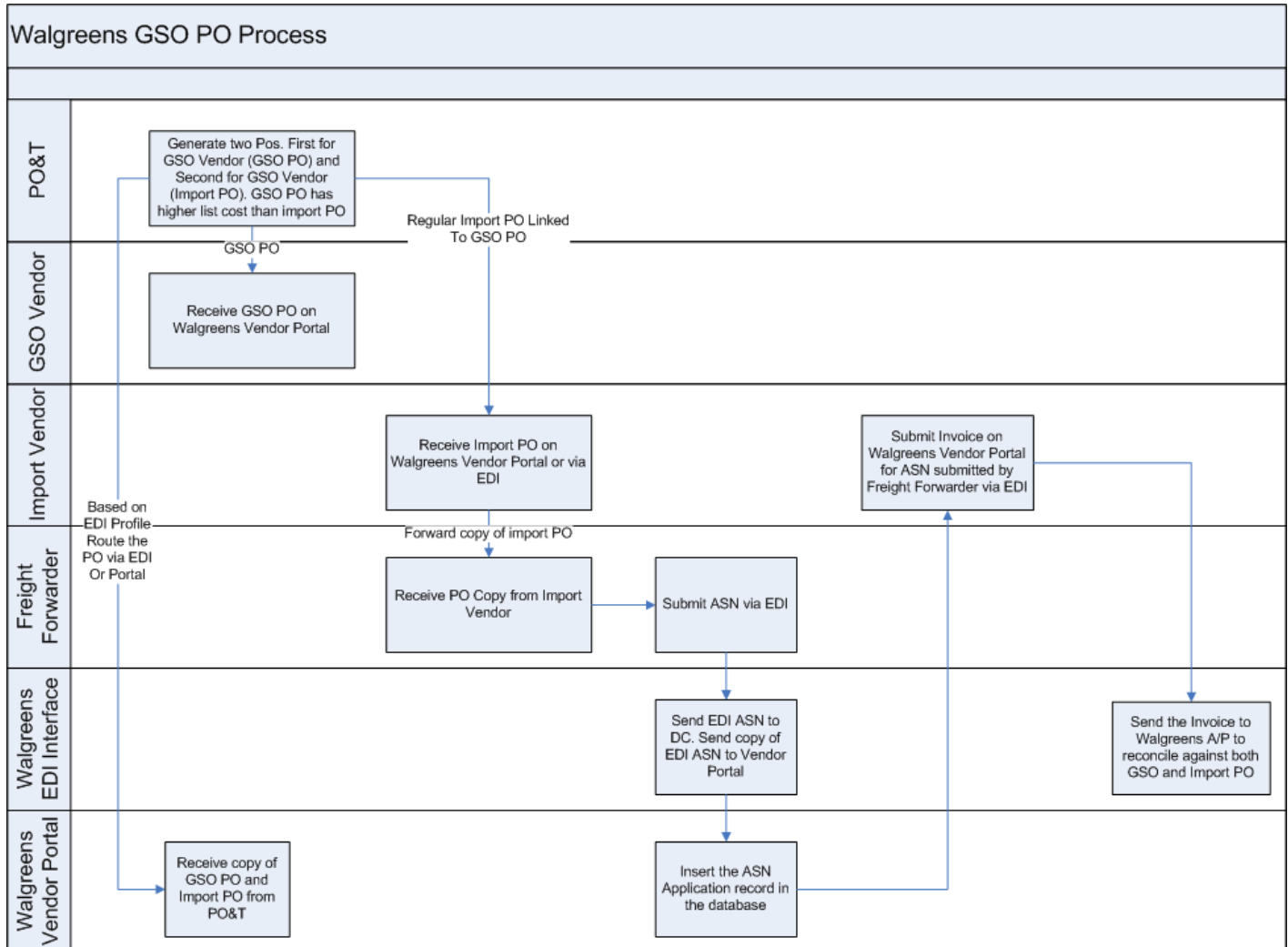
1.2 Business Benefits

1. Import vendor can submit invoice against import PO on SupplierNet.

1.3 In Scope

1. webMethods will process Freight Forwarder's ASN (insert into Vendor Portal database) only for vendors whose Vendor/EDI profiles were set up to do Invoice via the web application (PO/ASN/Invoice on Supplier Net).
2. ASN arrives to the system either as single consolidated file(Multiple ASN application record per file) or as a Single File(Single Application record has one ASN)
3. Processed records should be moved to a backup folder.
4. An alert email has to be sent to the vendor to inform ASN is ready for Invoice creation. (If the ASN record is missing ORDERING_UPC_NDC_CODE, webmethod has to mark this ASN record with some flag)
5. If Quantity Shipped field is blank, web Method has to insert the ANS record with some flag to easily identify. If the value is '0', record should not be rejected.
6. System will need to send email to vendors or other appropriate area for shipments that are missing either of these two attributes and also have to send a link where Custom Group can enter those missing fields.
7. All the webMethod's transaction should be logged.
8. Existing Daily batch which sends reminder email to Import Vendors for reminding ASN Creation (ASN Overdue) has to be modified not to send regular alert email to the Import Vendors.
9. Import vendors will be identified based on Overseas Shipment Indicator flag and also the country code in the database. Vendors who are from other than Mexico, Canada, Puerto Rica and USA are considered as Import Vendors.
10. There should be a guaranteed process in place if something unforeseen error happens (for ex, network error, database down etc).
11. In DC_PO_ASN .New Edit Import ASN link should be introduced and visible only to Corporate Users,
12. When the User clicks on the Import ASN link, All the Import ASNs which were having missed fields only should be displayed.
13. When the user clicks on those ASN, Edit ASN page should be displayed
14. Edit ASN screen should have only the Line Items, Shipment Details, Item Details and Summary sections All these sections should be in a single screen in non-editable mode

2 Generic GSO Process Flow

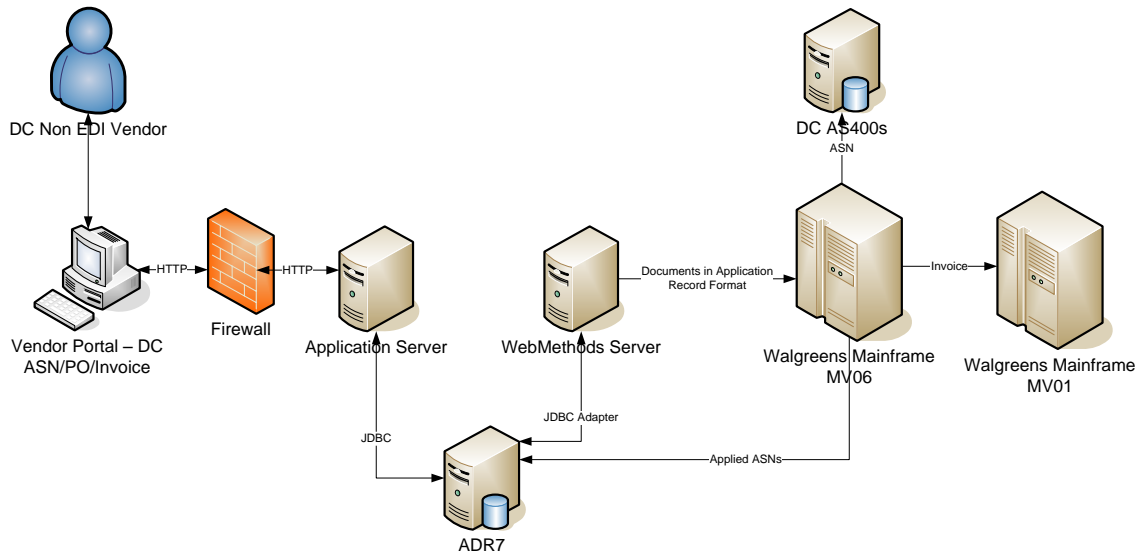


1. PO&T generates two POs. One PO is sent to Walgreens GSO Office and second PO is a regular import PO
2. Vendor forwards the import PO copy to freight forwarder
3. Freight forwarder submits ASN via EDI
4. Walgreens EDI team sends a copy of the ASN to vendor portal.
5. Based on the ASN, vendor portal allows the vendor to submit Invoice

3 AS-IS Web methods Flow

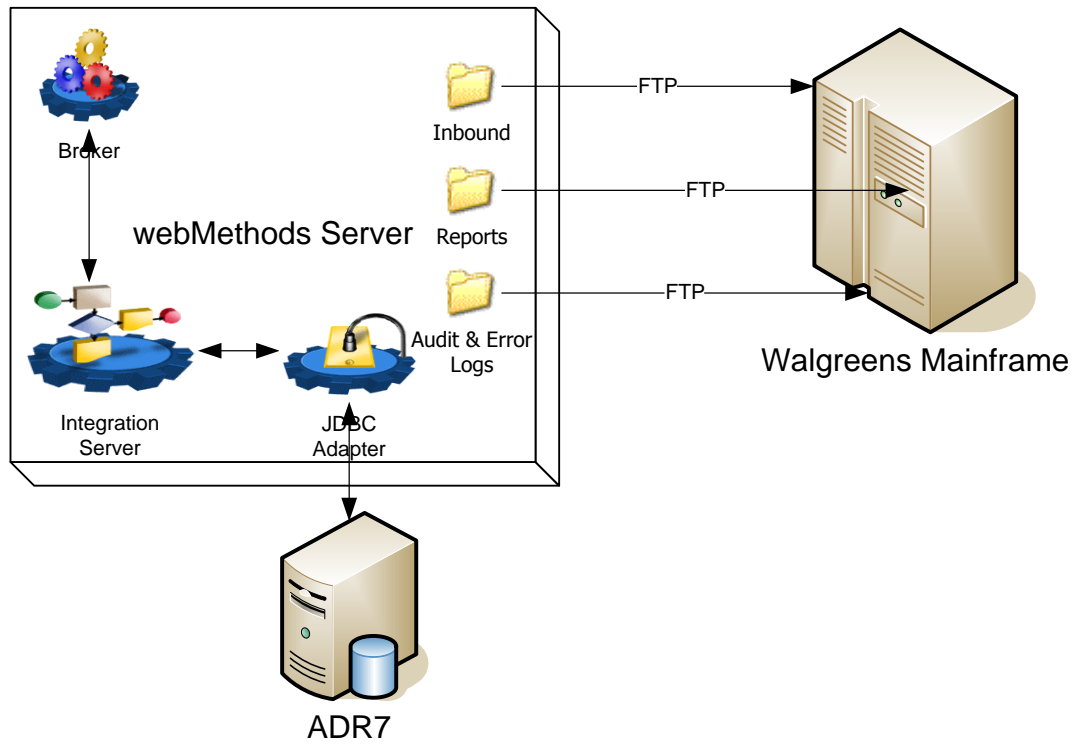
WebMethods is used to integrate the application to the Walgreens mainframe system. They are implemented as an EDI communication tool to work in parallel with the current GENTRAN (Mainframe) system. Implementing the vendor portal integration allows vendors to collaborate with Walgreen’s via the portal and/or inexpensive EDI.

Vendor Portal Integration Overview



High Level Logical Architecture

- Buffer tables for PO, ASN and invoice header tables of the DC PO/ASN/invoice application are maintained to increase the performance. The application inserts records into the buffer tables when a FA, ASN or invoice is submitted. Notification services at webMethods continuously poll the tables for insertions.
- JDBC adapters are used for the connecting to AS400 database.
- JDBC Basic Notification is used to alert webMethods services when new records are inserted into PO, ASN and invoice buffer tables. The webMethods service polls the database repeatedly to check for new records.
- Generation of FA overdue reports is through an hourly scheduled batch process (configurable within webMethods).
- To prevent issues arising out of mainframe accessing files that webMethods has not finished writing, the mainframe pick files that have an .RDY extension (indicating that the file is ready for further processing) only.
- The mainframe renames the file after picking up the file for processing.



4 TO-BE Process flow in Web methods for GSO Invoice

1. In GSO, since freight forwarders create ASN thru EDI, they submit all the ASN records thru EDI (Both EDI Compatible & Non EDI Compatible) and places into the File System.
2. webMethods will process FreightForwarder's ASN (insert into Vendor Portal database) only for vendors whose Vendor/EDI profiles were set up to do Invoice via the web application (DC PO/ASN/Invoice on Supplier Net).
3. After web Methods inserts the ASN application into the portal DB, and alert email has to be sent to the Vendors.
4. Processed ASN application records in the new inbound folder should be moved to a Backup folder as-is in current system.
5. If the mandatory field ORDERING_UPC_NDC_CODE value is not present in ASN application record, then webMethods still have to insert the record but with a different status
6. If Quantity Shipped field is blank, still have to insert the record but with the different status. If the value is '0', record should not be rejected.
7. All the rejection details should be logged.
8. All the transactions should be logged not just rejection
9. In case of any rejection, an email has to be triggered to vendors or other appropriate area for shipments that are missing either of these two attributes. Email should have direct link to the Edit ASN page.
10. If anything unforeseen happens while inserting ASN records, those errors should be logged and also should have retry mechanism to insert those records.

5 To BE Process Flow on Portal

1. Existing batch job which sends the alert email to vendors about the ASN Creation (ASN Overdue) needs to be modified not to send email to the Import Vendors.
2. Import vendors will be identified based on Overseas Shipment Indicator flag and also the by the country code in the database. Vendors from other than Mexico (MX), Canada (CD), Puerto Rica (PR) and USA are considered as Import Vendors.
3. New Edit Import ASN link should be introduced and visible only to Corporate Users,
4. When the user clicks on Import ASN link, All the Import ASNs which were having missed fields only should be displayed.
5. When the user clicks on those ASN, Edit ASN page should be displayed
6. Edit ASN screen should have only the Line Items, Shipment Details, Item Details and Summary sections All these sections should be in a single screen in non-editable mode
7. Fields Ordering_UPC_NDC and Quantity Shipped should be editable
8. This screen should be accessible only to Corporate Users group.
9. Vendor should not be able to edit these non-submitted ASNs in the application.
10. When the corporate user tries to submit the ASN a pop up should be displayed as “ Are you sure to submit the ASN?” if he select ‘Yes’, then ASN should be submitted, If he selects ‘No’, user remains in the same page.
11. Without entering those mandatory fields, if the user tries to submit, an alert message should be displayed as-is in current system. The page should not be submitted,

6 Screen Mockups

1. Display Pending Import ASN requires Edit.

DC PO/ASN/Invoice Application PEREZ & ASSOCIATES, - 009301 [Link to DSD PO/ASN/Invoice](#) [Logout](#)

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Advance Ship Notice

[Home](#) > [New Purchase Orders](#) > [View Purchase Order](#) > Import Advance Ship Notice

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| <input type="checkbox"/> Select | Shipment Number | ASN Date | PO Number | Order Date | Current Status | Delivery Date | Shipped Date | DC Number | Ship to Address |
|---------------------------------|------------------------------|------------|-----------|------------|----------------|---------------|--------------|-----------|-------------------------------------|
| <input type="checkbox"/> | JIT001001001 | 07-04-2011 | 01782912 | 06-10-2011 | Draft | 07-28-2011 | 07-13-2011 | 88001 | 15998 WALGREENS DRIVE JUPITER 33478 |
| <input type="checkbox"/> | JIT001001002 | 07-04-2011 | 01782912 | 06-10-2011 | Draft | 07-28-2011 | 07-13-2011 | 88001 | 15998 WALGREENS DRIVE JUPITER 33478 |
| <input type="checkbox"/> | JIT001001003 | 07-04-2011 | 01782912 | 06-10-2011 | Draft | 07-28-2011 | 07-13-2011 | 88001 | 15998 WALGREENS DRIVE JUPITER 33478 |

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2. Edit Import ASN Page

| | | | |
|----------------------|------------------------|-------------------------|---------------------------------|
| Home | Search | Reports | Edit Import ASN |
|----------------------|------------------------|-------------------------|---------------------------------|

Advance Ship Notice

| | | | |
|--------------------------|---------------------|----------------|-------------------|
| PO Number: | 01782912 | Order Date: | 06-10-2011 |
| ASN Shipment Number: | JIT001001001 | Shipped Date: | 07-13-2011 |
| Delivery Date Type: | 017 | Delivery Date: | 07-28-2011 |
| Invoice Number: | | Invoice Date: | |
| Invoice Time: | | | |
| Marketing Vendor Number: | 009301 | DC Number: | 88001 |

| Line Number | Ord Number Qualifier | Ord Number | Item Description | UOM | Quantity Ordered | Quantity Shipped |
|-------------|----------------------|------------------------|-----------------------------|-----|------------------|------------------------|
| 1 | VN | * <input type="text"/> | TY BEANIES SOCK MONKEY ASTD | CA | 645 | * <input type="text"/> |

Shipment Details

| | | | |
|-----------------------------|-----------------|-----------------------|-----------------|
| Gross Weight(lb): | 0 | SCAC: | XXXX |
| Trailer Initial: | | Trailer Number: | 0 |
| Carrier's Reference Number: | CN | Freight Bill: | 00000000 |
| Bill of Lading: | 00000000 | Load Planning Number: | |

7 Assumptions

1. Hence the ASN transaction volume and frequency is low, there is no performance risk.
2. There are no changes in Invoice creation.
3. There are no changes in the Portal UI.
4. Email Communication message and to/from address will be baselined during the Design Phase.
5. ASN arrives as a consolidated file (Multiple ASNs per application record) or as a single file (Single file with Single ASN application record).
6. EDI transfers to webMethod server will be done by EDI IT team
7. There is no exception report by comparing ASN and PO
8. If any ASN comes with an existing ASN number, current ASN will be overridden.
9. There is no ASN Update.
10. Since the EDI team rejects the record if the fields ASN_SHIPMENT_NUMBER, VENDOR_NUMBER, PURCHASE_ORDER_NUMBER are missing, we will not consider those for rejection.
11. There is no correction done for the rejected records.

12. There is no change to CDPO batch job.
13. Following are the Invoice Fields which are dependent on Import ASN Application record. All the other fields are either enter by user or retrieved from other table or from webServices.
 - ASN_SHIPMENT_NUMBER
 - VENDOR_NUMBER
 - ASN_INVOICE_NUMBER
 - PURCHASE_ORDER_NUMBER
 - PURCHASE_ORDER_LINE_NBR
 - ITEM_NUMBER
 - ORDERING_NUMBER_QUALIFIER
 - ORDERING_UPC_NDC_CODE
 - ITEM_DESCRIPTION
 - PURCHASE_ORDER_UNIT
 - ORDER_QUANTITY.
 - QUANTITY_SHIPPED
14. Any other fields missed in Import ASN which are not used in INVOICE , webMethod will insert the default value.

8 Clarification

Following are the clarifications pending from business

- Who will receive the rejection email? Is it Freight Forwarder, Vendors or Corporate User? Answer: There should be an option provided to edit the fields
- What is the exact message content in the email? NA
- How do we receive the email-ids of Freight Forwarder? NA
- Who should be approached for these email-ids?NA
- Is the email required after ASN insertion into portal? Answer: Yes. Email content should be same as existing mail content

9 Dependencies

- This project has dependency with EDI IT Team as ASN application records will be delivered by them

10 References

Import ASN Record Format.



Import ASN
Record.xlsx

11 Integration with other systems

11.1 *Changes in Other Applications*

NA

11.2 *Non Functional Requirements*

NA

11.3 *Performance*

Performance of the application will be aligned with other SupplierNet applications.

11.4 *Scalability*

Scalability of the application will be aligned with other SupplierNet applications.

11.5 *Availability*

Availability of the application will be aligned with other SupplierNet applications.